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NOTICE OF ALLOWANCE AND FEE(S) DUE

2202

7590

05/04/2009

BIRCH STEWART KOLASCH & BIRCH PO BOX 747 FALLS CHURCH, VA 22040-0747 EXAMINER

BRAINARD, TIMOTHY A

ART UNIT PAPER NUMBER

3662 DATE MAILED: 05/04/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/567.789	02/09/2006	Toshio Wakayama	0925-0227US1	2692

TITLE OF INVENTION: RADAR DEVICE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	08/04/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further indicated unless correcte maintenance fee notificate	correspondence including ed below or directed oth tions.	g the Patent, advance of erwise in Block 1, by (a	rders and notification of n a) specifying a new corres	naintenance fees wil pondence address; a	I be mailed to the current and/or (b) indicating a sep	nt correspondence address as parate "FEE ADDRESS" for
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PO BOX 747	ART KOLASCH ^C H, VA 22040-0747	& BIRCH	I her State addr trans	eby certify that this es Postal Service wit essed to the Mail s mitted to the USPTO	ficate of Mailing or Transection Fee(s) Transmittal is being h sufficient postage for fistop ISSUE FEE address O (571) 273-2885, on the	ismission ng deposited with the United rst class mail in an envelope s above, or being facsimile date indicated below.
						(Depositor's name)
						(Signature)
						(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	I	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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nonprovisional	NO	\$1510	\$300	\$0	\$1810	08/04/2009
EXAM	INER	ART UNIT	CLASS-SUBCLASS			
BRAINARD,	ТІМОТНҮ А	3662	342-079000			
"Fee Address" indi PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME A PLEASE NOTE: Unl recordation as set forth	ess an assignee is identi h in 37 CFR 3.11. Comp	Indication form ed. Use of a Customer TO BE PRINTED ON The field below, no assignee	(1) the names of up to or agents OR, alternativ (2) the name of a single registered attorney or a 2 registered patent attor listed, no name will be THE PATENT (print or type data will appear on the part a substitute for filing and (B) RESIDENCE: (CITY)	ely, e firm (having as a n gent) and the names neys or agents. If no printed. e) ttent. If an assignee assignment.	nember a 2of up to o name is 3	document has been filed for
4a. The following fee(s) a Issue Fee Publication Fee (N	iate assignee category or	4lbermitted)	inted on the patent): D. Payment of Fee(s): (Plea A check is enclosed. Payment by credit care	Individual	poration or other private g previously paid issue fed s attached. the required fee(s), any of	
5. Change in Entity Stat	•	l above)	overpayment, to Depos			an extra copy of this form). CFR 1.27(g)(2).
NOTE: The Issue Fee and interest as shown by the r	d Publication Fee (if requeecords of the United Star	nired) will not be accepted tes Patent and Trademark	d from anyone other than the Office.	ne applicant; a regist	ered attorney or agent; or	the assignee or other party in
Authorized Signature				Date		
Typed or printed name			Registration Noon is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process			
This collection of inform an application. Confident submitting the completed his form and/or suggesti Box 1450, Alexandria. V	ation is required by 37 C tiality is governed by 35 I application form to the ons for reducing this bur irginia 22313-1450. DO	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary den, should be sent to the NOT SEND FEES OR	on is required to obtain or re 1.14. This collection is est depending upon the indiv e Chief Information Office COMPLETED FORMS TO	etain a benefit by the mated to take 12 mi idual case. Any com r, U.S. Patent and T D THIS ADDRESS.	public which is to file (ar inutes to complete, includ iments on the amount of t rademark Office, U.S. De SEND TO: Commissione	nd by the USPTO to process) ing gathering, preparing, and ime you require to complete partment of Commerce, P.O. r for Patents, P.O. Box 1450,

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2292 75	90 05/04/2009		EXAM	INER
BIRCH STEWA	RT KOLASCH & BI	BRAINARD, TIMOTHY A		
PO BOX 747		ART UNIT	PAPER NUMBER	
FALLS CHURCH, VA 22040-0747			3662	
			DATE MAILED: 05/04/200	9

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 232 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 232 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

Application No.	Applicant(s)
10/567.789	WAKAYAMA ET AL.
Examiner	Art Unit
TIMOTHY A. BRAINARD	3662
of this communication to file a relENT of this application. itted. Note the attached EXAMINES reason(s) why the oath or decent be submitted. ion's Patent Drawing Review (Pines Amendment / Comment or in the comment of the header according to 37 CFR 1.1	chis national stage application from the requirements NER'S AMENDMENT or NOTICE OF charation is deficient. TO-948) attached TO-948) attached TO-948) attached TO-948 attached
5. Notice of Inform 6. Interview Summ Paper No./Mail 7. Examiner's Ame 8. Examiner's State 9. Other	nary (PTO-413), Date
	Examiner TIMOTHY A. BRAINARD Pars on the cover sheet with the (OR REMAINS) CLOSED in this or other appropriate communication is subject and MPEP 1308. Index 35 U.S.C. § 119(a)-(d) or (f) the been received. Index received in Application Not comments have been received in the formal of this application. Interview Summer of BIOLOGICAL MATERIA (S) Should be written on the drawn he header according to 37 CFR 1. Sit of BIOLOGICAL MATERIA (S) Should be written on the drawn he header according to 37 CFR 1. Sit of BIOLOGICAL MATERIA (S) Should be written on the drawn he header according to 37 CFR 1. Sit of BIOLOGICAL MATERIA (S) Should be written on the drawn he header according to 37 CFR 1. Sit of BIOLOGICAL MATERIA (S) Should be written on the drawn he header according to 37 CFR 1. Sit of BIOLOGICAL MATERIA (S) Should be written on the drawn he header according to 37 CFR 1. Sit of BIOLOGICAL MATERIA (S) Should be written on the drawn he header according to 37 CFR 1. Sit of BIOLOGICAL MATERIA (S) Should be written on the drawn he header according to 37 CFR 1. Sit of BIOLOGICAL MATERIA (S) Should be written on the drawn he header according to 37 CFR 1. Sit of BIOLOGICAL MATERIA (S) Should be written on the drawn he header according to 37 CFR 1. Sit of BIOLOGICAL MATERIA (S) Should be written on the drawn he header according to 37 CFR 1. Sit of BIOLOGICAL MATERIA (S) Should be written on the drawn he header according to 37 CFR 1. Sit of BIOLOGICAL MATERIA (S) Should be written on the drawn he header according to 37 CFR 1. Sit of BIOLOGICAL MATERIA (S) Should be written on the drawn he header according to 37 CFR 1. Sit of BIOLOGICAL MATERIA (S) Should be written on the drawn he header according to 37 CFR 1. Sit of BIOLOGICAL MATERIA (S) Should be written on the drawn he header according to 37 CFR 1. Sit of BIOLOGICAL MATERIA (S) Should be written on the drawn he header according to 37 CFR 1. Sit of BIOLOGICAL MATERIA (S) Should be written on the drawn he header according to 37 CFR 1. Sit of BIOLOGICAL MATERIA (S) Sh

Application/Control Number: 10/567,789 Page 2

Art Unit: 3662

DETAILED ACTION

Allowable Subject Matter

1. Claims 1-23 are allowed.

2. The following is an examiner's statement of reasons for allowance: Yamada (US RE37725), Satou et al (US 6380884), and Nakanishi et al (US 2002/0190895) do not teach nor make obvious (claim 1 and 2) a direction integrating unit for, when a plurality of primary directions calculated by the direction calculating unit is present, calculating an integrated direction, being the true target direction, from an area in which the density in a distribution of the plurality of primary directions is a predetermined value or greater, the integrated direction calculation being based on the primary directions belonging to the area.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to TIMOTHY A. BRAINARD whose telephone number is (571) 272-2132. The examiner can normally be reached on Monday - Friday 8:00 - 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas Tarcza can be reached on (571) 272-6979. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Art Unit: 3662

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/T. A. B./ Examiner, Art Unit 3662

/Thomas H. Tarcza/ Supervisory Patent Examiner, Art Unit 3662